

Table 3.2.1 Instrumentation That Initiates Primary Containment Isolation Functions				
Function	Trip Settings	Total No. of Instrument Channels Per Trip System	Min. No. of Operable or Operating Instrument Channels Per Trip System (1, 2)	Required Conditions*
1. <u>Main Steam and Recirc Sample Line (Group 1)</u>				
a. Low Low Reactor Water Level	$\geq -48''$	2	2	A
b. High Flow In Main Steam Line	$\leq 140\%$ rated	8	8	A
c. High temp. in Main Steam Line Tunnel	$\leq 200^{\circ}\text{F}$	8	2 of 4 in each of 2 sets	A
d. Low Pressure in Main Steam Line (3)	$\geq 825$ psig	2	2	B
2. RHR System, Drywell, Sump, TIP (Group 2)				
a. Low Reactor Water Level	$\geq 7''$	2	2	C

Table 3.2.1 (Continued)

NOTES: (Continued)

- \* Required conditions when minimum conditions for operation are not satisfied.
  - A. Group 1 isolation valves closed.
  - B. Reactor Power on IRM range or below and reactor in startup, refuel, or shutdown mode.
  - C. Isolation Valves closed for: Shutdown Cooling System.
  - D. Comply with Condition C. above.
  - E. Isolation Valves closed for: Reactor Cleanup System.
  - F. HPCI steam line isolated. (See specification 3.5 for additional requirements.)
  - G. RCIC steam line isolated.
- \*\* Function changed from Low Reactor Water Level to Low Low Reactor Water Level following completion of design change.
- \*\*\* Function changed from  $\leq 150,000$  lb/hr,  $\leq 60$  second delay, and  $\leq 300,000$  lb/hr, instantaneous, isolation to  $\leq 300,000$  lb/hr,  $\leq 7$  second delay, isolation following completion of design change.

<p style="text-align: center;">Table 3.2.4 Instrumentation That Initiates Reactor Building Ventilation Isolation And Standby Gas Treatment System Initiation</p>					
Function	Trip Settings	Minimum No. of Operable or Operating Trip Systems	Total No. of Instrument Channels Per Trip System	Min. No. of Operable or Operating Instrument Channels Per Trip System	Required Conditions*
1. Low Low Reactor Water Level	$\geq -48''$	2	2	2 (Notes 1, 2, 3)	A. or B.
2. High Drywell Pressure	$\leq 2$ psig	2	2	2 (Notes 1, 2, 3)	A. or B.
3. Reactor Building Plenum Radiation Monitors	$\leq 100$ mR/hr	2	2	2 (Notes 1, 2)	A. or B.
4. Refueling Floor Radiation Monitors	$\leq 100$ mR/hr	2	2	2 (Notes 1, 2)	A. or B.

Notes:

- (1) There shall be two operable or tripped Trip Systems for each function. An Instrument Channel may be placed in an inoperable status for up to 6 hours for performance of required surveillances without placing the Trip System in the tripped condition provided that at least one other OPERABLE Channel in the same Trip System is monitoring that parameter.
  - (2) Upon discovery that minimum requirements for the number of operable or operating Trip Systems or Instrument Channels are not satisfied action shall be initiated as follows:
    - (a) With one Instrument Channel per Trip System inoperable:
      - 1) For Functions 1 or 2, place the inoperable Channel or Trip System in the tripped condition within 12 hours
      - 2) For Functions 3 or 4, place the inoperable Channel in a downscale trip condition, or place the Trip System in the tripped condition within 24 hours
- OR --

Notes: (cont'd)

(b) With more than one Instrument Channel per Trip System inoperable:

- 1) For Functions 1 or 2, immediately satisfy the requirements by placing the appropriate Channels or Trip Systems in the tripped condition,
  - 2) For Functions 3 or 4, immediately proceed to Note 2c
- OR --

(c) If (a) or (b) cannot be met, then place the plant under the specified required conditions using normal operating procedures.

(3) Need not be operable when primary containment integrity is not required.

\* Required Conditions when minimum conditions for operation are not satisfied.

- A. The reactor building ventilation system isolated and the standby gas treatment system operating.
- B. Establish conditions where secondary containment is not required.